

# Trees and Streetlights

## REDUCING EMISSIONS WITH TREES AND ENERGY EFFICIENT STREETLIGHTS

### Trees and improved streetlights will bring significant environmental and

social benefits to the City of San José. Presently, the community forest is made up of trees on streets, in parks, and on private property. A single tree sequesters about 0.035 metric tons of carbon over a 10-year period. Planting 100,000 additional trees will result in a sequestration of some 3,550 metric tons of CO<sub>2</sub> over 10 years. Trees also provide shade, reduce air conditioning bills, filter air pollutants, and boost property values.

San José's 62,000 streetlights use approximately 34 million kilowatt-hours per year of energy, which equates to 8,493 metric tons of CO<sub>2</sub>. Replacing all of San José's streetlights with smart, zero emission streetlights will improve the quality of light on the City's streets and reduce associated CO<sub>2</sub> emissions.

### WHAT WE ARE DOING



Promoting the growth and care of San José's community forest through a comprehensive street tree inventory and the Community Forest Master Plan and Best Management Practices for Tree Care.



Piloting more energy-efficient and durable streetlights to significantly reduce energy use and costs.



Working with industry consortiums and companies to develop innovative streetlight technologies.

### GET INVOLVED



Learn more about the City's community forest program at [www.sanjoseca.gov/tree](http://www.sanjoseca.gov/tree).



Volunteer with Our City Forest at [www.OurCityForest.org](http://www.OurCityForest.org).



Learn more about the City's smart, zero emission streetlight conversion effort at [www.sanjoseca.gov/transportation](http://www.sanjoseca.gov/transportation).

### ABOUT THE GREEN VISION

The San José Green Vision, a 15-year plan adopted in 2007, charts ambitious goals for clean tech jobs, energy use reduction, renewable energy, green building, waste reduction, water reuse, sustainable development, clean fleet, trees, zero emission streetlights and interconnected trails. The plan is designed to lead us into a future of economic growth, environmental sustainability and an enhanced quality of life for our community.

Learn more: [www.sanjoseca.gov/greenvision](http://www.sanjoseca.gov/greenvision)

### GOAL

Plant 100,000 New Trees and Replace 100% of Streetlights with Smart, Zero Emission Lighting

### HIGHLIGHTS

- Our City Forest, a key partner, has developed a comprehensive Community Forestry program, offering free trees for schools, neighborhood parking strips, and parks
- 2009 CalFire grant funded 16 AmeriCorps trainees with Our City Forest to start a City street tree inventory—multi-year program using volunteers, staff, and consultants to record the attributes of 242,000 street trees and 90,000 vacant planting sites
- 2009 Recovery Act funds to replace approximately 2,000 Low Pressure Sodium streetlights with programmable LED lights equipped with advanced controls and communications to maximize energy efficiency and savings



### CONTACT INFO:

For more information on trees, contact Ralph Mize at (408) 277 2762 or [arborist@sanjoseca.gov](mailto:arborist@sanjoseca.gov)

For more information on streetlights, contact Laura Stuchinsky at (408) 975 3226 or [laura.stuchinsky@sanjoseca.gov](mailto:laura.stuchinsky@sanjoseca.gov)

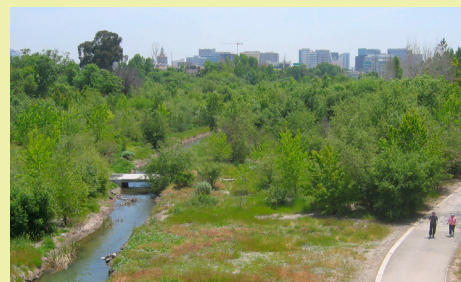




## GREEN VISION GOALS

### BY THE YEAR 2022:

-  1. Create 25,000 Clean Tech jobs as the World Center of Clean Tech Innovation
-  2. Reduce per capita energy use by 50 percent
-  3. Receive 100 percent of our electrical power from clean renewable sources
-  4. Build or retrofit 50 million square feet of green buildings
-  5. Divert 100 percent of the waste from our landfill and convert waste to energy
-  6. Recycle or beneficially reuse 100 percent of our wastewater (100 million gallons per day)
-  7. Adopt a General Plan with measurable standards for sustainable development
-  8. Ensure that 100 percent of public fleet vehicles run on alternative fuels
-  9. Plant 100,000 new trees and replace 100 percent of our streetlights with smart, zeroemission lighting
-  10. Create 100 miles of interconnected trails



### CONTACT INFORMATION

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